



US Army Corps
Of Engineers
Wilmington District

PUBLIC NOTICE

Issue Date: January 24, 2005
Comment Deadline: February 22, 2005
Corps Action ID #: 200500360

All interested parties are hereby advised that the Wilmington District, Corps of Engineers (Corps) has received an application for work within jurisdictional waters of the United States. Specific plans and location information are described below and shown on the attached plans. This Public Notice and all attached plans are also available on the Wilmington District Web Site at www.saw.usace.army.mil/wetlands

Applicant: Town of Ocean Isle Beach
Three West Third Street
Ocean Isle Beach, North Carolina 28469

AGENT: Coastal Science & Engineering
Post Office Box 1643
Morehead City, North Carolina 28557

Authority

The Corps will evaluate this application and decide whether to issue, conditionally issue, or deny the proposed work pursuant to applicable procedures of Section 404 of the Clean Water Act and Section 10 of the Rivers and Harbors Act of 1899.

Location

The project site is located on the east end of Ocean Isle Beach and just west of the mouth of Shallotte Inlet, adjacent to the Atlantic Ocean, Brunswick County, North Carolina. Latitude 33-53-52 and Longitude 78-23-27.

Existing Site Conditions

The shoreline proposed for nourishment has experience above average erosion resulting in damage and condemnation of several oceanfront properties along 2nd and 3rd Streets, in Ocean Isle Beach. At several locations, the surf extends beneath existing structures during extreme high tide conditions. Sand bags have been placed at the ends of Shallotte Boulevard and Charlotte Street to protect streets and utility infrastructure from damage.

Applicant's Stated Purpose

The Town of Ocean Isle Beach purpose for the proposed project is to renourish 2,700 linear feet of the beach just west of Shallotte Inlet in order to protect the existing homes and infrastructure at this location. The Town of Ocean Isle Beach also wants to have this project done congruently with the Corps periodic beach renourishment project immediately to the west to save on set up cost.

Project Description

The Ocean Isle Beach project is an extension of a periodic beach renourishment activity being undertaken by the U.S. Army Corps of Engineers (USACE), Wilmington District, as part of the Brunswick County Beaches project. The Ocean Isle Beach fill will cover approximately 19 acres of shoreline with sand placed on the beach above the low tide line. The main fill portion of the project will contain approximately 50 cubic yards per linear feet of beach (95,000 cubic yards total) and will include a flat berm at elevation +7.0 (NGVD) initially placed 130 to 150 feet wide and extended seaward to elevation -5.0 (NGVD) on a 1:20 slope. A transitional taper 1000 feet long will tie the main fill into the natural shoreline at the east end of the project. Each taper will contain approximately 20,000 cubic yards of sand. The USACE project includes placement of approximately 384,000 cubic yards of beach quality sand dredged from the designated borrow area Shallotte Inlet. The project is scheduled to begin in February 2005 and is projected to require four weeks to complete. The Town of Ocean Isle Beach proposes to gain a significant economic advantage by contracting with the dredging contractor for the USACE project to complete the Town's project before demobilizing equipment from the site.

The beach fill material will be dredged from a borrow area in Shallotte Inlet which has been identified by the USACE for the ongoing and future renourishment projects on Ocean Isle Beach. The Town will monitor the material placed on the beach on a daily basis to make sure that the best material available will be used. See attachment for more information and plans.

Other Required Authorizations

This notice and all applicable application materials are being forwarded to the appropriate State agencies for review. The Corps will generally not make a final permit decision until the North Carolina Division of Water Quality (NCDWQ) issues, denies, or waives State certification required by Section 401 of the Clean Water Act (PL 92-500). The receipt of the application and this public notice in the NCDWQ Central Office in Raleigh serves as application to the NCDWQ for certification. A waiver will be deemed to occur if the NCDWQ fails to act on this request for certification within sixty days of the date of the receipt of this notice in the NCDWQ Central Office. Additional information regarding the Clean Water Act certification may be reviewed at the NCDWQ Central Office, 401 Oversight and Express Permits Unit, 2321 Crabtree Boulevard, Raleigh, North Carolina 27604-2260. All persons desiring to make comments regarding the application for certification under Section 401 of the Clean Water Act should do so in writing delivered to the North Carolina Division of Water Quality (NCDWQ), 1650 Mail Service Center,

Raleigh, North Carolina 27699-1650 Attention: Mr. John Hennessy (NC Department of Transportation projects) or Ms Cyndi Karoly (all other projects) by February 15, 2005.

The applicant has certified that the proposed work complies with and will be conducted in a manner that is consistent with the approved North Carolina Coastal Zone Management Program. Pursuant to 33 CFR 325.2 (b)(2) the Corps is, by this notice, forwarding this certification to the North Carolina Division of Coastal Management (NCDCM) and requesting its concurrence or objection. Generally, the Corps will not issue a Department of the Army (DA) permit until the NCDCM notifies the Corps that it concurs with the applicant's consistency certification.

Essential Fish Habitat

This notice initiates the Essential Fish Habitat (EFH) consultation requirements of the Magnuson-Stevens Fishery Conservation and Management Act. The Corps' initial determination is that the proposed project may adversely impact EFH or associated fisheries managed by the South Atlantic or Mid Atlantic Fishery Management Councils or the National Marine Fisheries Service. These impacts to EFH include destruction of habitat at the borrow and fill site, siltation plums, erosion and sedimentation issues, time frame work is performed (fish moratoriums) and water quality issues.

Cultural Resources

The Corps has consulted the latest published version of the National Register of Historic Places and is not aware that any registered properties, or properties listed as being eligible for inclusion therein are located within the project area or will be affected by the proposed work. Presently, unknown archeological, scientific, prehistoric, or historical data may be located within the project area and/or could be affected by the proposed work.

Endangered Species

The Corps has reviewed the project area, examined all information provided by the applicant and consulted the latest North Carolina Natural Heritage Database. Based on available information, the Corps has determined there may be species listed as threatened or endangered or their critical habitat formally designated pursuant to the Endangered Species Act of 1973 (ESA) within the project area. A final determination on the effects of the proposed project will be made upon additional review of the project and completion of any necessary biological assessment and/or consultation with the U.S. Fish and Wildlife Service and/or National Marine Fisheries Service.

Evaluation

The decision whether to issue a permit will be based on an evaluation of the probable impacts, including cumulative impacts, of the proposed activity on the public interest. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. All factors which may be relevant to the proposal will be considered including the cumulative effects thereof; among those are conservation, economics,

aesthetics, general environmental concerns, wetlands, historic properties, fish and wildlife values, flood hazards, flood plain values (in accordance with Executive Order 11988), land use, navigation, shoreline erosion and accretion, recreation, water supply and conservation, water quality, energy needs, safety, food and fiber production, mineral needs, considerations of property ownership, and, in general, the needs and welfare of the people. For activities involving the discharge of dredged or fill materials in waters of the United States, the evaluation of the impact of the activity on the public interest will include application of the Environmental Protection Agency's 404(b)(1) guidelines.

Commenting Information

The Corps is soliciting comments from the public; Federal, State and local agencies and officials; Indian Tribes and other interested parties in order to consider and evaluate the impacts of this proposed activity. Any comments received will be considered by the Corps to determine whether to issue, modify, condition or deny a permit for this proposal. To make this decision, comments are used to assess impacts on endangered species, historic properties, water quality, general environmental effects and the other public interest factors listed above. Comments are used in the preparation of an Environmental Assessment (EA) and/or an Environmental Impact Statement (EIS) pursuant to the National Environmental Policy Act (NEPA). Comments are also used to determine the need for a public hearing and to determine the overall public interest of the proposed activity.

Any person may request, in writing, within the comment period specified in this notice, that a public hearing be held to consider the application. Requests for public hearings shall state, with particularity, the reasons for holding a public hearing. Requests for a public hearing shall be granted, unless the District Engineer determines that the issues raised are insubstantial or there is otherwise no valid interest to be served by a hearing.

Written comments pertinent to the proposed work, as outlined above, will be received by the Corps of Engineers, Wilmington District, until 5pm, February 22, 2005. Comments should be submitted to Henry Wicker, Project Manager for this project.

OCEAN ISLE BEACH
EAST END BEACH NOURISHMENT
BRUNSWICK COUNTY, NORTH CAROLINA
NARRATIVE DESCRIPTION OF PROJECT

INTRODUCTION

The Town of Ocean Isle Beach proposes to place approximately 135,000 cubic yards of beach quality sand dredged from Shallotte Inlet on some 2,700 linear feet of beach just west of Shallotte Inlet. The Town of Ocean Isle Beach is located along the Atlantic Ocean coast of Brunswick County, North Carolina between Shallotte Inlet and Tubs Inlet just north of the South Carolina border. Ocean Isle Beach can be accessed by driving south from Wilmington, North Carolina on U. S. Highway 17 past the Town of Shallotte to State Road 1184 and following S. R. 1184 south across the Atlantic Intracoastal Waterway (AIWW) to the island Town. The project site is located at the east end of the island along the ocean shoreline just west of the mouth of Shallotte Inlet (see sheet 1 of 6).

PROJECT DESCRIPTION

The Ocean Isle Beach project is an extension of a periodic re-nourishment being undertaken by the U. S. Army Corps of Engineers (USACE), Wilmington District, as part of the Brunswick County Beaches project. The beach fill will cover approximately 19 acres of shoreline with sand placed on the beach above the low tide line. The main fill portion of the project will contain approximately 50 c.y. per linear feet of beach (95,000 c.y. total) and will include a flat berm at elevation +7.0 (NGVD) initially placed 130 to 150 feet wide (see sheets 4 and 5 of 6) and extending seaward to elevation -5.0 (NGVD) on a 1:20 slope. A transitional taper section 700 feet long will tie the main fill to the USACE taper at the west. Similarly, a taper 1000 feet long will tie the main fill into the natural shoreline at the east end of the project (see sheet 3 of 6). Each taper will contain approximately 20,000 cubic yards of sand.

The USACE project includes placement of approximately 384,000 cubic yards of beach quality sand dredged from the designated borrow area in Shallotte Inlet. The project is scheduled to begin in February 2005 and is projected to require approximately four weeks to complete. The Town proposes to gain a significant economic advantage by contracting with the dredging contractor for the USACE project to complete the Town's project before demobilizing equipment from the site.

The beach fill material will be dredged from a borrow area in Shallotte Inlet (see sheet 2 of 6) that has been identified by the Corps of Engineers for the ongoing and future re-nourishment projects on Ocean Isle Beach. The Town will monitor the material placed on the beach on a daily basis to make sure that the best material available is used. Experience gained by the dredging contractor on the USACE project will help place the dredge in areas of the borrow area containing the best beach quality material.

EXISTING CONDITIONS

The shoreline proposed for nourishment has experienced above average erosion resulting in damage and condemnation of several oceanfront properties along 2nd and 3rd Streets (see sheet 2 of 6). At several locations, the surf extends beneath existing structures during extreme high tide conditions. Sand bags have been paced at the ends of Shallotte Blvd and Charlotte Street to protect streets and utility infrastructure from damage.

STORMWATER MANAGEMENT

No upland improvements, pavements, walkways or other impervious surfaces will be constructed as part of the project. No stormwater management or additional stormwater measures will be required for this project. A letter will be sent to the Division of Water Quality in Wilmington describing the scope of the project.

METHODS OF CONSTRUCTION

Dredging will be done by conventional hydraulic dredge with a temporary pipeline placed on the ocean bottom up to the beach. The sand and water slurry will be confined on the beach to permit settlement of sand and drainage of the water fraction back to the ocean. The settled sand will be shaped on the beach using conventional earth moving equipment. The dredging and fill operations will be on a 7 day per week basis and will only be shut down in order to relocate the dredge in the borrow area, for weather conditions too extreme for the dredging operations, or for maintenance and repair of pipelines or equipment.

PROJECT SCHEDULE

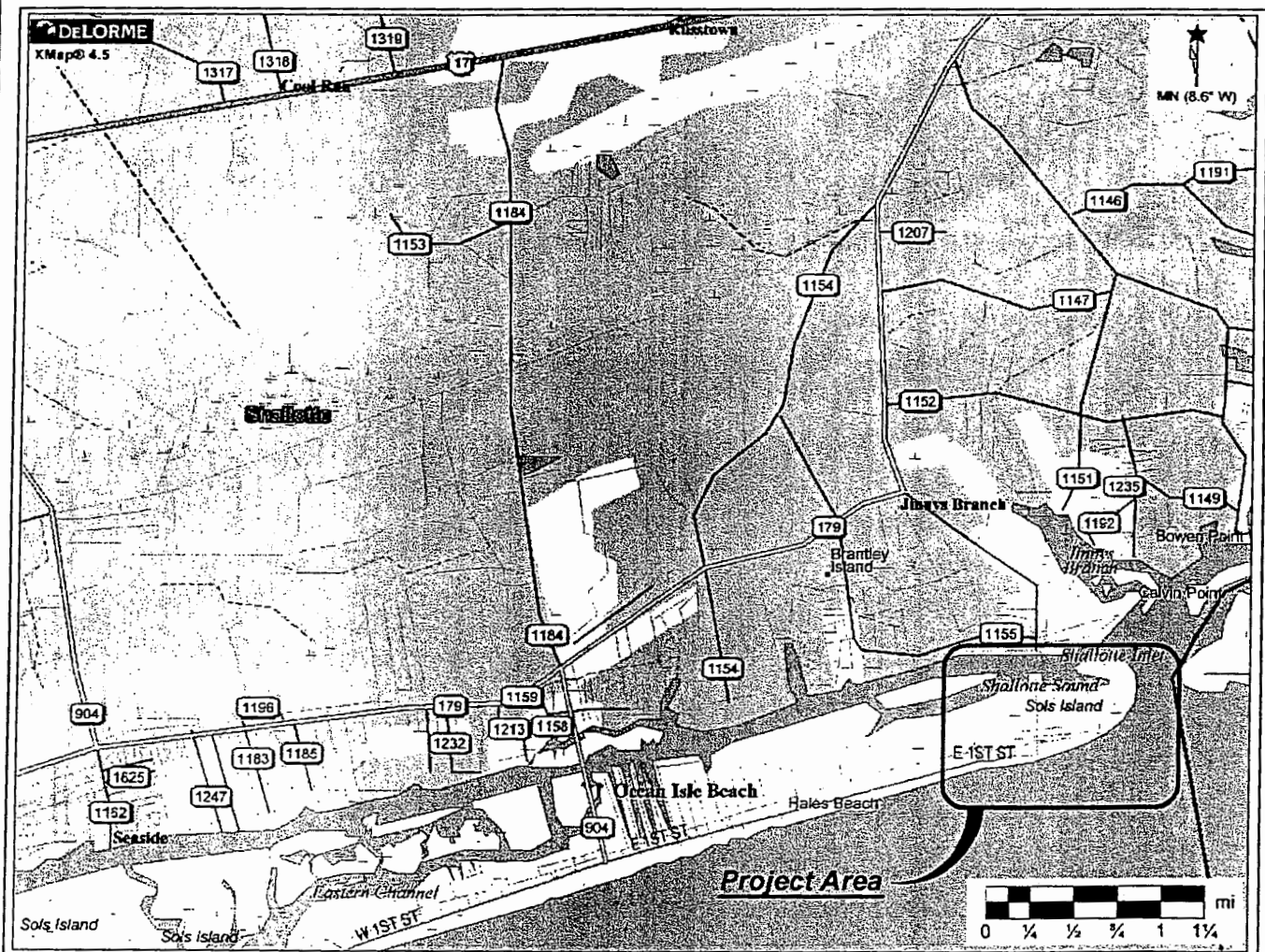
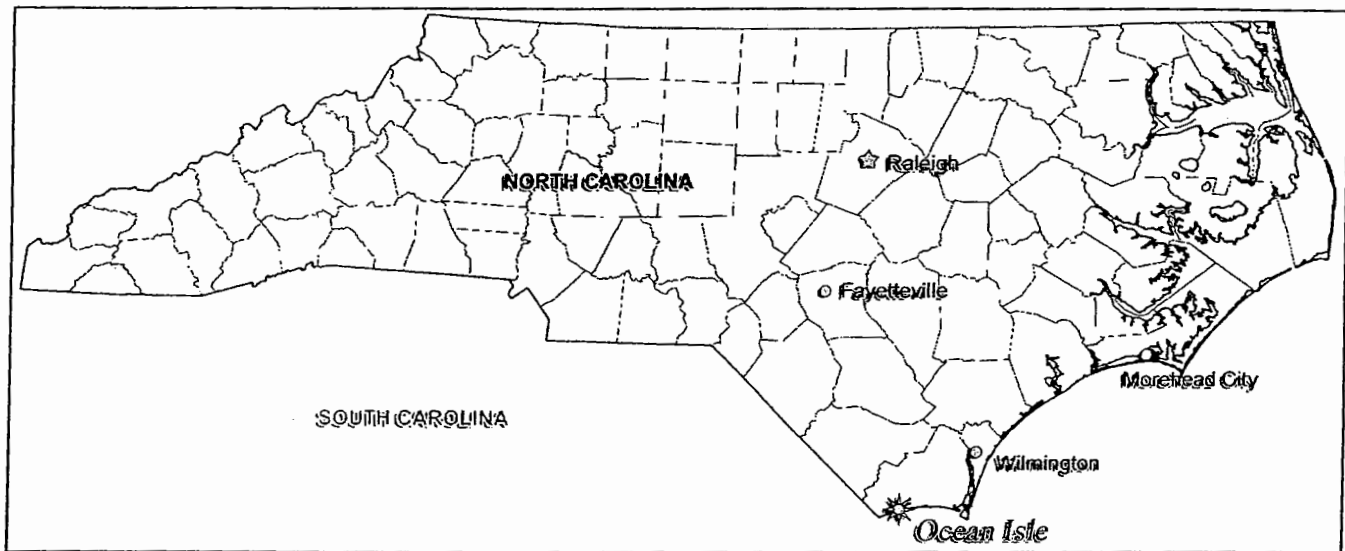
The objective of the Town is to complete the project before the end of the moratorium period, April 1, 2005. It is anticipated, that once work begins, approximately four days will be required to complete the dredging and placement portion of the project. The contractor will require an additional week to remove equipment and pipelines from the jobsite.

COMPLIANCE WITH TOWN OF OCEAN ISLE BEACH ZONING AND CAMA LAND USE PLAN

The property is within the planning jurisdiction of the Town of Ocean Isle Beach. The site is classified "Developed" by the Town's CAMA Land Use Plan.

COMPLIANCE WITH THE N. C. ENVIRONMENTAL POLICY ACT

The beach nourishment work proposed will be financed with public funds but consist of less than 200,000 cubic yards of total fill with fill dimensions 50 cubic yards per linear feet or less. The project is classified as a small nourishment project by the N. C. Division of Coastal Management and does not require review under the State Environmental Policy Act (SEPA).



DIRECTIONS From HWY 17: Take Hwy. 17. Turn south onto NC Hwy. 904. Follow Hwy 904 south to Town of Ocean Isle Beach. Turn northeast onto East 1st Street and follow to the street end. Project starts from Charlotte St. and extends northeast (~2,700 ft) ending at Shallotte Inlet.

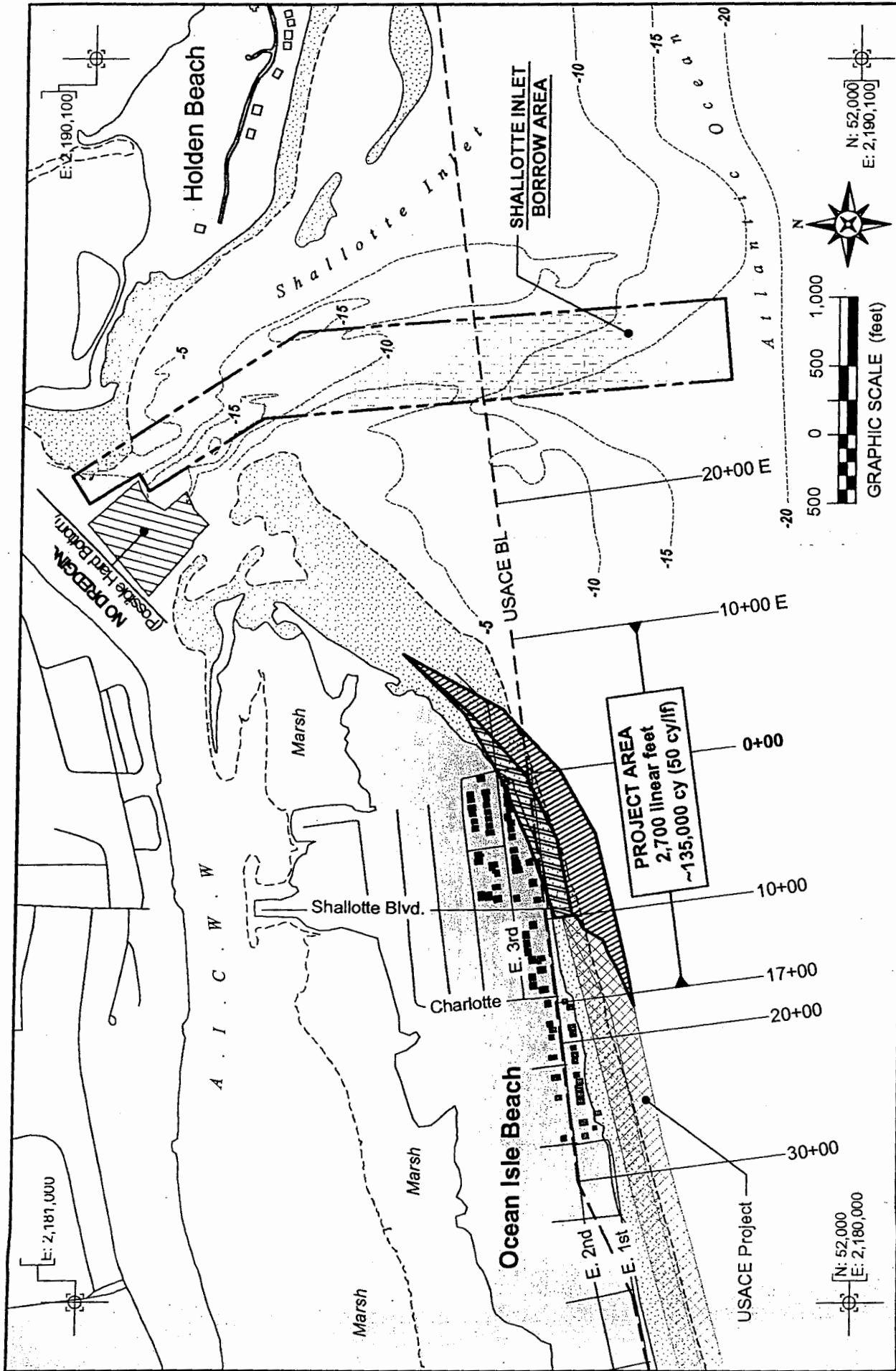
Project Name:
Ocean Isle Beach
East End Nourishment Plan

Prepared For:
Town of Ocean Isle Beach

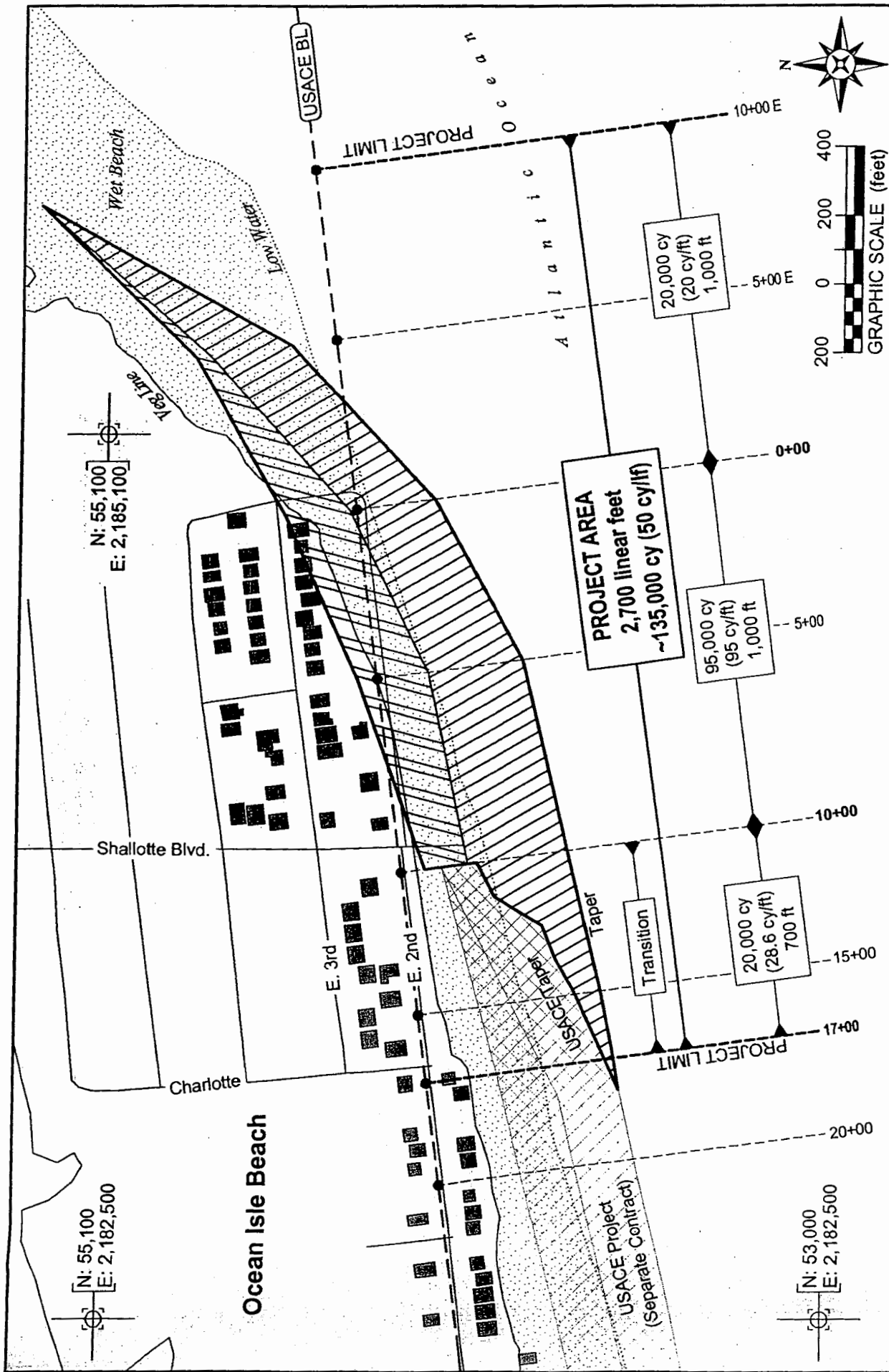
VICINITY MAP

29 December 2004

Sheet 1 of 6



<p>Project Name: Ocean Isle Beach East End Nourishment Plan</p>	<p>Prepared For: Town of Ocean Isle Beach</p>	<p>PROJECT AREA</p>
<p>Datum: SPCS NAD '83</p>	<p>29 December 2004</p>	<p>Sheet 2 of 6</p>



Datum: SPCS NAD '83

Prepared For:
Town of Ocean Isle Beach

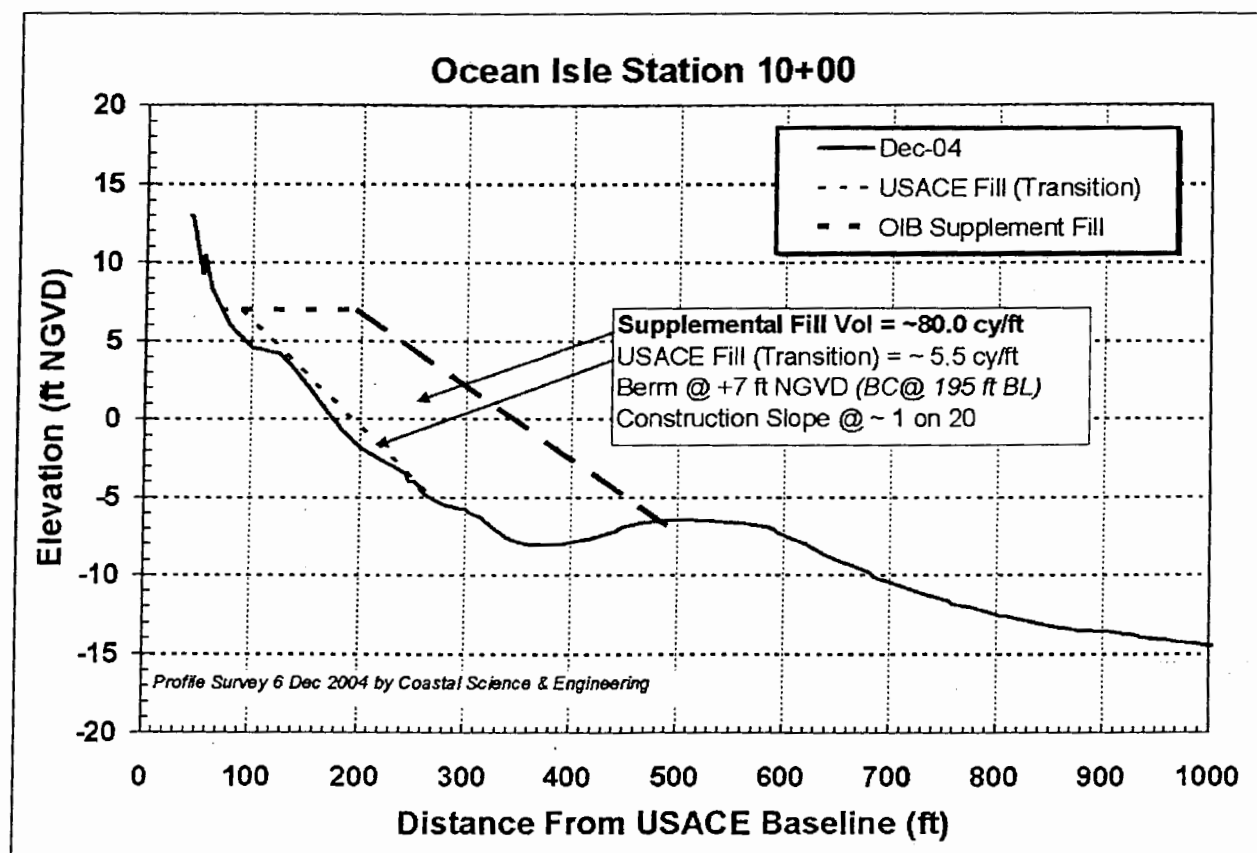
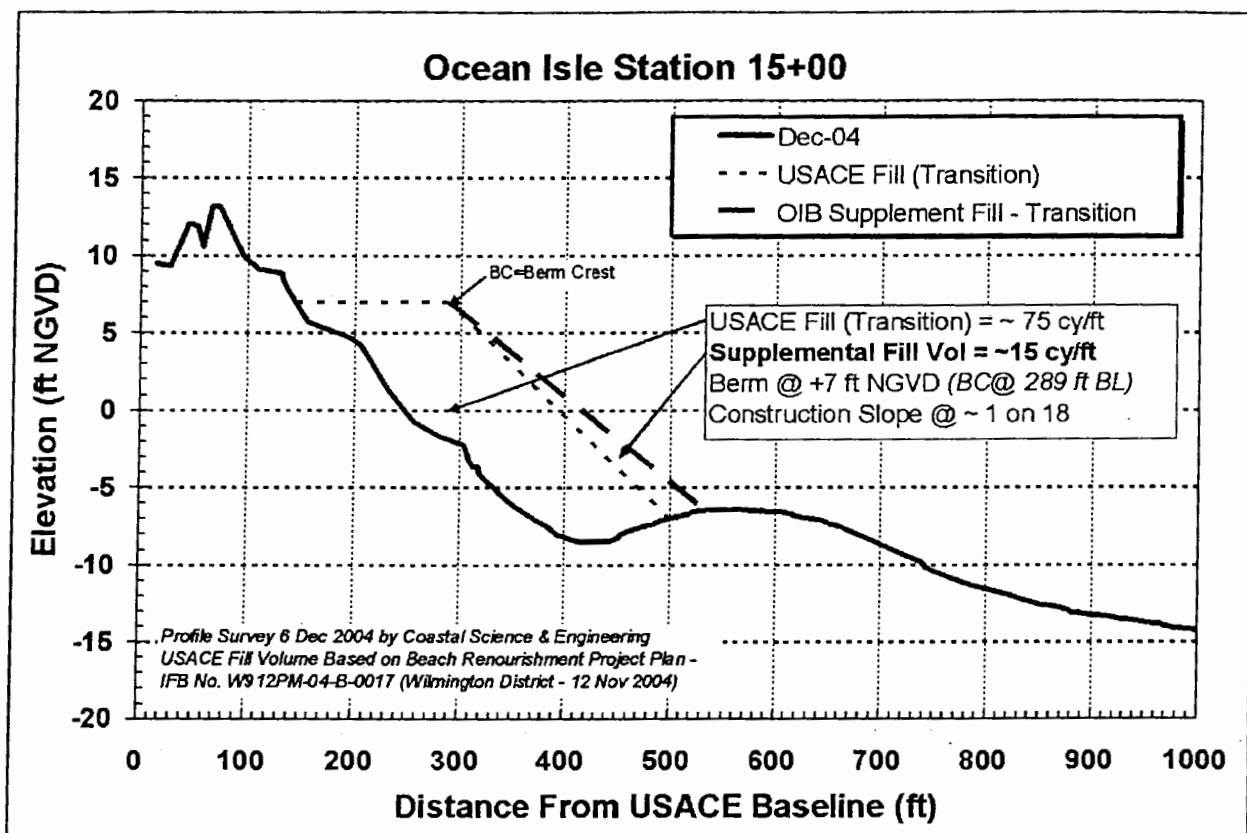


Project Name:
Ocean Isle Beach
East End Nourishment Plan

NOURISHMENT PLAN

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Sheet 3 of 6



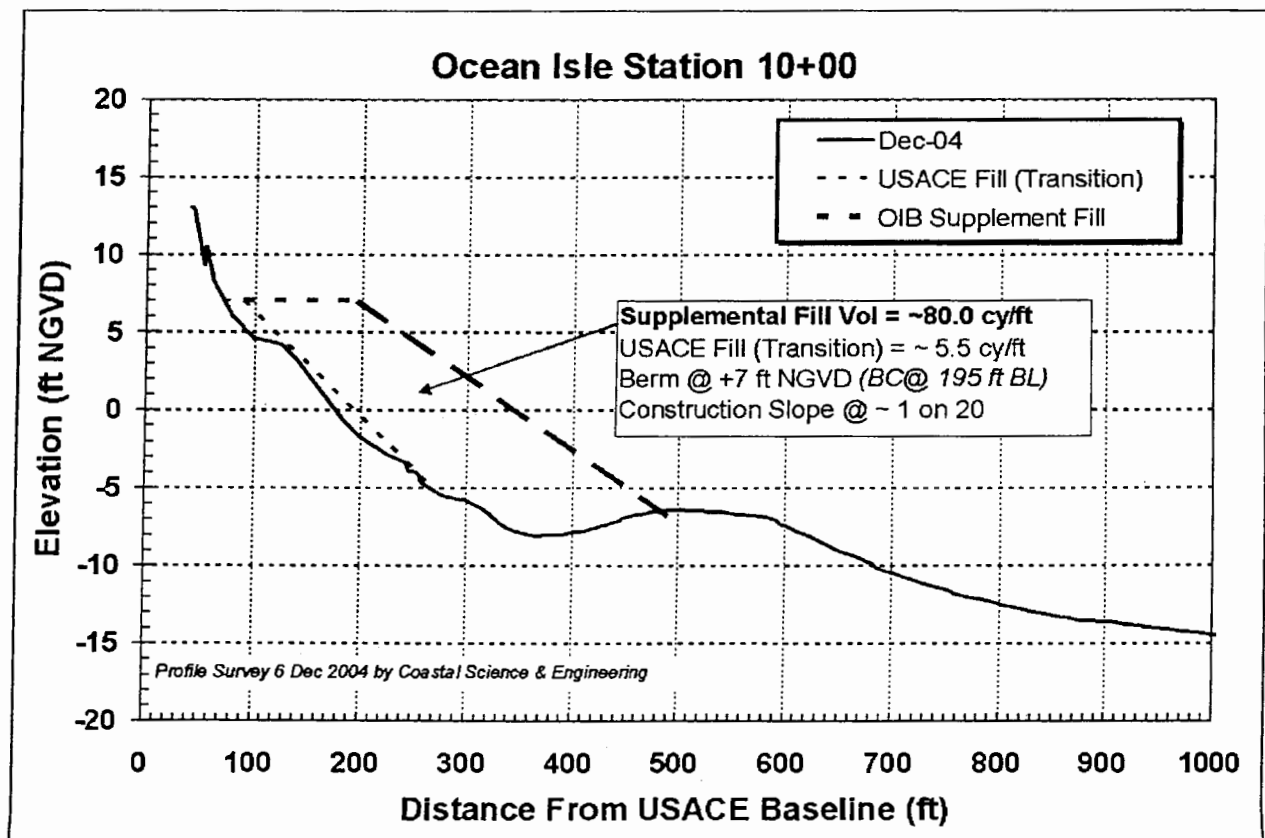
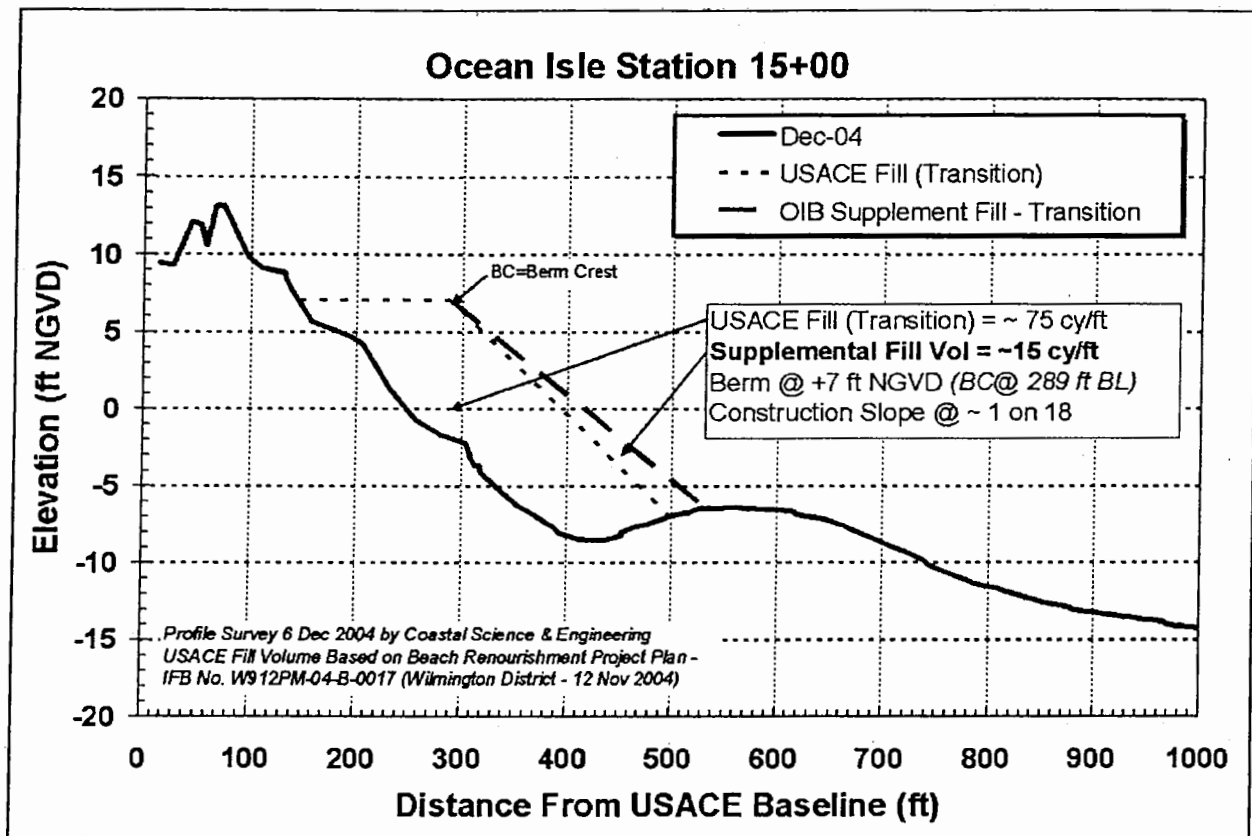
Project Name:
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Prepared For:
 Town of Ocean Isle Beach

TYPICAL PROFILES

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Sheet 4 of 6



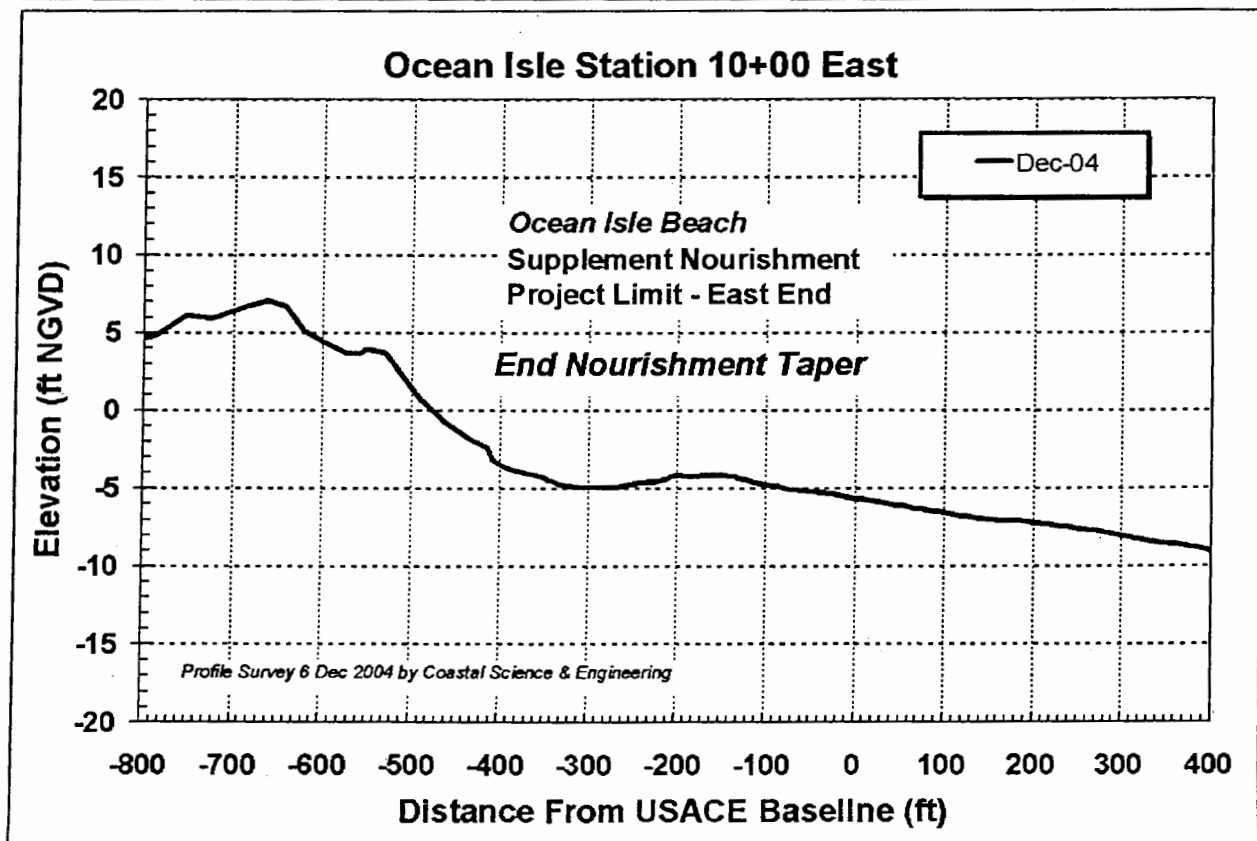
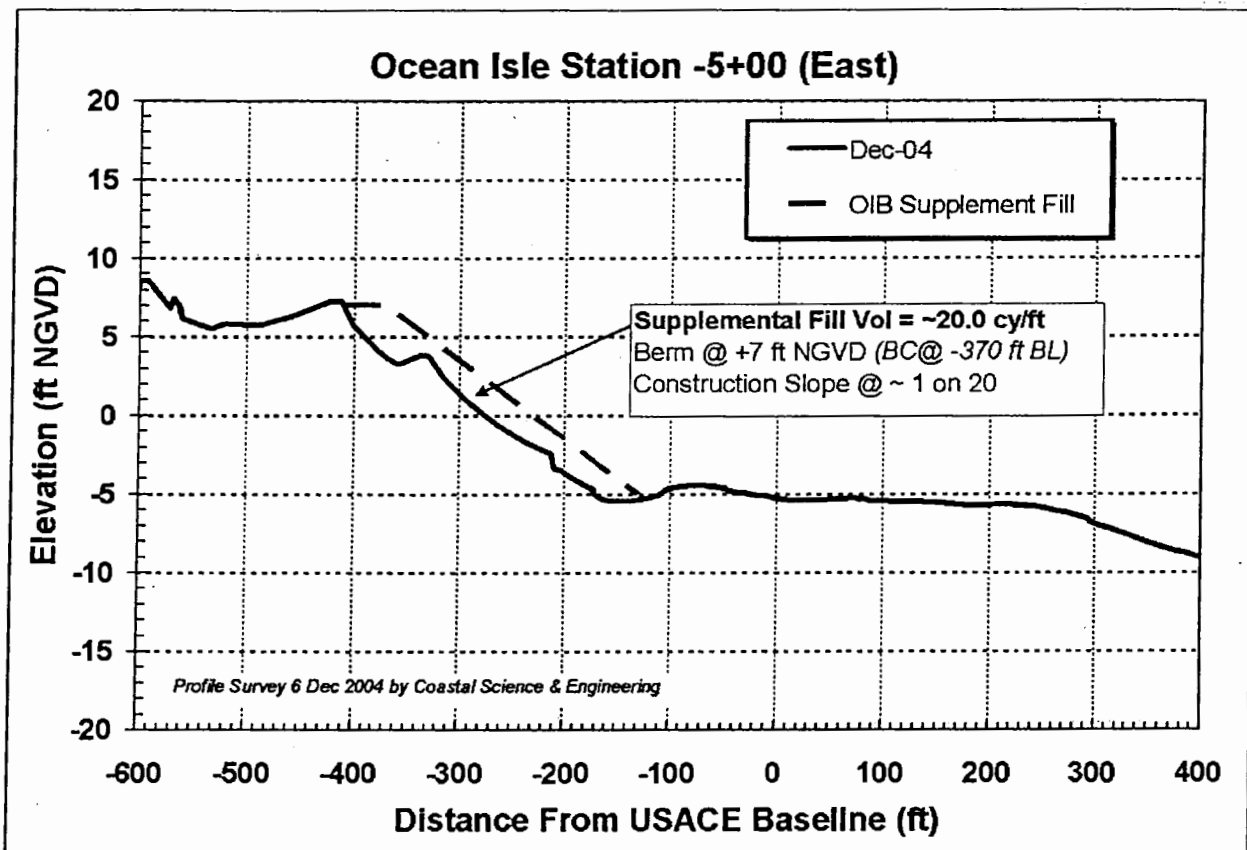
Project Name:
 Ocean Isle Beach
 East End Nourishment Plan

Prepared For:
 Town of Ocean Isle Beach

TYPICAL PROFILES

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Project Name:
Ocean Isle Beach
East End Nourishment Plan

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TYPICAL PROFILES

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